## **CLAIMS**

What is claimed is:

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- 1. An optically active color filter comprising:
  - a linear polarizer for polarizing light from a light source;
- an optically active device for rotating the polarized light from the polarizer; and an adjustable polarizer for selecting a desired color from the rotated polarized light from the optically active device.
- 2. The color filter of claim 1, wherein the linear polarizer is a fixed-position linear polarizer.
- 3. The color filter of claim 1, wherein the optically active device comprises a crystalline quartz optical rotator.
  - 4. The color filter of claim 1, wherein the optically active device comprises corn syrup.
- 5. The color filter of claim 1, wherein the optically active device comprises a sucrose solution.
- 6. The color filter of claim 1, wherein the adjustable polarizer is a first rotatable polarizer.
- 7. The color filter of claim 6, wherein the first rotatable polarizer is circular shaped and has a cutout, wherein the first rotatable polarizer is disposed offset from a path of the rotated polarized light from the optically active device, and further wherein the radius of the first rotatable polarizer extends beyond the light path.
- 8. The color filter of claim 6 further comprising a second rotatable polarizer disposed between the light source and linear polarizer.
- 9. The color filter of claim 1, wherein the thickness of the optically active device is adjustable.

- 10. The color filter of claim 1, wherein the optically active device comprises a multiplicity of removable optically active layers.
  - 11. The color filter of claim 1, wherein at least one element thereof is removable.
- 12. The color filter of claim 1, wherein the optical activity of the optically active device5 is electrically controlled.
  - 13. The color filter of claim 1, wherein the thickness of the optically active device is not uniform.
  - 14. The color filter of claim 1, wherein the color filter is controlled by a remote control device.
  - 15. The color filter of claim 14, wherein the control device is an electronic control device.
    - 16. The color filter of claim 14, wherein the remote control device is a wireless remote control device.
      - 17. An optically active color filter comprising:

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- a first linear polarizer for polarizing light from a light source;
- an optically active device for rotating the polarized light from the linear polarizer; and
- an electrically controlled polarizing assembly for selecting a desired color from the rotated polarized light from the optically active device.
- 20 18. The color filter of claim 17, wherein the polarizing assembly comprises:
  - a voltage-controlled liquid crystal panel and
  - a second linear polarizer.

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a linear polarizing beamsplitter for polarizing and splitting light from a light source into a first polarized light and a second polarized light;

an optically active means for rotating the first and second polarized light from the beamsplitter;

a first adjustable polarizer for selecting a desired first color from the rotated first polarized light from the optically active means; and

a second adjustable polarizer for selecting a desired second color from the rotated second polarized light from the optically active means.

- 20. The color filter of claim 19, wherein the color filter is controlled by a remote control device.
- 21. The color filter of claim 19, wherein the optically active means is an optically active device.
  - 22. The color filter of claim 19, wherein the optically active means comprises:

a first optically active device for rotating the first polarized light from the beamsplitter; and

a second optically active device for rotating the second polarized light from the beamsplitter.

23. A lighting effects device, the device comprising:

an adjustable polarizer for polarizing light from a light source;

an optically active device for rotating the polarized light from the polarizer; and

a polarizing material for producing a desired color from the rotated polarized light from the optically active device.

- 24. The lighting effects device of claim 23, wherein the lighting effects device is controlled by a remote control device.
  - 25. A device for producing a colored light, the device comprising:

a linear polarizer for polarizing light from a light source;

an optically active device for rotating the polarized light from the linear polarizer; and

an adjustable polarizer for selecting a desired color from the rotated polarized light from the optically active device.

26. An optically active color filter comprising:

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an adjustable polarizer for polarizing and selecting a desired color from a light source;

an optically active device for rotating the polarized light from the adjustable polarizer; and

a linear polarizer for polarizing the rotated polarized light.

27. A method for producing a colored light, the method comprising:

polarizing light from a light source;

rotating the polarized light through an optically active substance; and selecting a desired color from the rotated polarized light.

- 28. The method of claim 27, wherein the selecting step comprises passing the rotated polarized light through an adjustable polarizer.
- 29. The method of claim 27, wherein the thickness of the optically active substance is adjustable.

- 30. The method of claim 27, wherein the thickness of the optically active substance is not uniform.
  - 31. The method of claim 27, wherein the optically active substance is a liquid.

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